



Smithsonian Institution

Smithsonian Institution Archives

G. Arthur Cooper - Field notes, 1965

Extracted on Oct-09-2015 04:35:03

The Smithsonian Institution continues to research information on its collections and is thankful to the digital volunteers who helped to transcribe this material. We look forward to using the work they created to further enrich our collections.

- Before you incorporate this material into a for-profit publication or online project, please contact the Smithsonian Institution Archives;
- Please leave source and copyright information as is and avoid obscuring these details in the material;
- Do not post this document as a whole to a social media site, such as a blog, Facebook page, Twitter feed, etc;
- Researchers: if you deposit this material, please let Smithsonian Institution Archives know where the material is deposited so that we can guide the community members to it.

Contact the Smithsonian Institution for the current status of this project and related material. To see this project online - or other transcription projects - please visit [here](#).

Montebello ss.

October 19

Locality 1 ⁵²⁹ - Swope Mountain, on Pa. 645, 0.7 mile south of junction with Pa 443, about 1.5 miles south of Pine Grove, Pennsylvania. Oct. 19.

Locality 2 ^{529a} - Swope Mtn., just west of Pa 501, 0.6 mile S ^{90°W} of junction Pa 501 and 895, 1.5 miles SSE of Pine Grove, Pa. Oct. 19.

Locality 3 = 529b.

Junction Pa 501 and side road, 0.56 mile due south of junction of Pa 501 and 895, 1.5 miles SSE of Pine Grove, Pa.

October 21

Montebello ss.

Locality 1 ^{529c} - On Pa 850 at Carson Long Camp, Sherman Creek, 0.5 mile west-northwest of Dromgold, Pa

Locality 2 ^{529d} -, On Penn. 850, One mile WNW of Dromgold, Pa

Locality 3 - Keyser, quarry, 0.3 mile SE of Union School, on Pa 850, 2 miles west of Dromgold, Pa.

Montebello ss.

October 19

Locality 1 ⁵²⁹ - Swope Mountain, on Pa. 645, 0.7 mile south of junction with Pa 443, about 1.5 miles south of Pine Grove, Pennsylvania. Oct. 19.

Locality 2 ^{529a} - Swope Mtn., just west of Pa 501, 0.6 mile S ^{90°W} of junction Pa 501 and 895, 1.5 miles SSE of Pine Grove, Pa. Oct. 19.

Locality 3 = 529b.

Junction Pa 501 and side road, 0.56 mile due south of junction of Pa 501 and 895, 1.5 miles SSE of Pine Grove, Pa.

October 21

Montebello ss.

Locality 1 ^{529c} - on Pa 850 at Carson Long Camp, Sherman Creek, 0.5 mile west-northwest of Dromgold, Pa

Locality 2 ^{529d} - On Penn. 850, One mile WNW of Dromgold, Pa

Locality 3 - Keyser, quarry, 0.3 mile SE of Union School, on Pa 850, 2 miles west of Dromgold, Pa.

G. Arthur Cooper - Field notes, 1965
Transcribed and Reviewed by Digital Volunteers
Extracted Oct-09-2015 04:35:03

1

Arial & Lucile Priest

July 8 to August 8, 1968
Trip to Mo & Okla.

Left Washington on July 8 at about 9:30 in Ambassador Station Wagon. Stayed in Charleston, W. Va overnight. Trip to Charleston on US 60 a nightmare of curves and hills. From Charleston went to Paducah Kentucky on the 9th of July. Most of way over throughways in beautiful rolling country. From Paducah, Ky we went to Neosho, Missouri on U.S. 60 through Springfield. Arrived Neosho about 4:PM and put up at Plaza Motel.

Coll. 68-1

July 11.

Went north on Hy 71 to Tipton Ford Then went down to Shoal Creek and followed road on ~~S~~ west side of Shoal Creek back to Neosho. Exposures of Keokuk appear in bluffs where creek hugs the hilly country on its west side. We found one good collecting place in a gullied road in NE 1/4 SW 1/4 26-26N-32W about 2 miles S and one mile east of Tipton Ford, Neosho.

Trail & Lucile Priest
July 8 to August 8, 1968
Trip to Mo & Okla.
Left Washington on July 8 at about 9:30 in Ambassador Station Wagon. Stayed in Charleston, W. Va overnight. Trip to Charleston on US 60 a nightmare of curves and hills. From Charleston went to Paducah Kentucky on the 9th of July. Most of way over throughways in beautiful rolling country. From Paducah, Ky we went to Neosho, Missouri on U.S. 60 through Springfield. Arrived Neosho about 4:PM and put up at Plaza Motel.
July 11.
Went north on Hy 71 to Tipton Ford Then went down to Shoal Creek and followed road on ~~S~~ west side of Shoal Creek back to Neosho. Exposures of Keokuk appear in bluffs where creek hugs the hilly country on its west side. We found one good collecting place in a gullied road in NE 1/4 SW 1/4 26-26N-32W about 2 miles S and one mile east of Tipton Ford, Neosho.
Coll 68-1

G. Arthur Cooper - Field notes, 1965
Transcribed and Reviewed by Digital Volunteers
Extracted Oct-09-2015 04:35:03

68-2

Large quarry in SW 1/4 7-25N-31W about 1 3/4 miles N of courthouse in Neosho. Can be reached by leaving US 60 at bend of road 3/4 mile N of Newtown

Limestone here medium gray, fine to coarse grained, general massive with ~~bands~~ scattered bands of chert which contain the fossils.

Chert contains *Orthotetes* common, *Ovatia* c, *Labriproductus* c and *Pseudosyrinx* fairly common.

~~W~~ 68-3

July 12

Went to Tripoli pits about 1 1/4 miles N of Seneca, Missouri

The locality is NW 1/4 NW 1/4 35-25N-34W, 1 1/4 miles NNW of Seneca, ~~M~~ Seneca (7 1/2') Missouri

Collected until about 2:30 PM. Came back to Neosho through Wela & Racine.

68-4

July 13.

Visited roadside on branch of Jones Creek, SW corner of SE 1/4 34-28N-31W, NE of Fidelity. Here we saw *Marginirugus magnus*.

Went on to quarries at

68-2 Large quarry in SW 1/4 7-25N-31W about 1 3/4 miles N of courthouse in Neosho. Can be reached by leaving US 60 at bend of road 3/4 mile N of Newtown. Limestone here medium gray, fine to coarse grained, general massive with ~~bands~~ scattered bands of chert which contain the fossils. Chert contains *Orthotetes* common, *Ovatia* c, *Labriproductus* c and *Pseudosyrinx* fairly common.

July 12
Went to Tripoli pits about 1 1/4 miles N of Seneca, Missouri. The locality is NW 1/4 NW 1/4 35-25N-34W, 1 1/4 miles NNW of Seneca, ~~M~~ Seneca (7 1/2') Missouri. Collected until about 2:30 PM. Came back to Neosho through Wela & Racine.

July 13.
Visited roadside on branch of Jones Creek, SW corner of SE 1/4 34-28N-31W, NE of Fidelity. Here we saw *Marginirugus magnus*.
Went on to quarries at

G. Arthur Cooper - Field notes, 1965
Transcribed and Reviewed by Digital Volunteers
Extracted Oct-09-2015 04:35:03

3 68-5

Carthage (Marble Co.) about one mile N. of the city on road just east of US 71. Collecting very poor.

68-6

Quarry on Section line about 1/4 mile S of NE cor 18 - 25N - 29W 2 1/4 miles ENE of Newtonia.

About 10' massive granular lines followed by granular ls in thin beds with shaly partings 8-10' Collecting poor.

July 14.

Left Neosho about 9:00 AM. Went S on US 71 to Anderson, then on Mo. 59 to Noel, and from there west to Vinita where we arrived about 12:30

68-7

St. Joe limestone in long cut on Mo. 59, on N limit of North Noel, just one mile N of junction Mo 59 and 90 in Noel, Missouri.

St. Joe, a bluff of 30 feet of limestone overlying 12 to 20 feet of Chattanooga shale. The St. Joe reminded me of the Lake Valley in color & texture but was harder and more compact and with few fossils.

3
68-5 Carthage (Marble Co.) about one mile N of the city on road just east of US 71. Collecting very poor.
68-6 Quarry on section line about 1/4 mile S of NE cor 18-25N-29W 2 1/4 miles ENE of Newtonia. About 10' massive granular lines followed by granular ls in thin beds with shaly partings 8-10' collecting poor.
July 14.
Left Neosho about 9:00 AM. Went S on US 71 to Anderson, then on Mo 59 to Noel, and from there west to Vinita where we arrived about 12:30.
68-7 St. Joe limestone in long cut on Mo. 59, on N limit of North Noel, just one mile N of junction Mo 59 and 90 in Noel, Missouri. St. Joe, a bluff of 30 feet of limestone overlying 12 to 20 feet of Chattanooga shale. The St. Joe reminded me of the Lake Valley in color & texture but was harder and more compact and with few fossils.

G. Arthur Cooper - Field notes, 1965
Transcribed and Reviewed by Digital Volunteers
Extracted Oct-09-2015 04:35:03

4 68-8
Low, long hill on south side
Frisco RR showing about 15' - 20' of flaky,
crumbly shale capped by thin bedded limestone. The latter disintegrates
and sheds slabs and loose fossils over the surface. Locality in
Fayetteville shale, NW 1/4 11-25N-21E, 8 miles E and 3 miles N of
Vinita, Craig County, Oklahoma.

68-9
Small pit in SE cor SE 1/4 16-25N-21E, 5 miles E and one mile N of
Vinita, one mile N of US 60, Craig Co., Oklahoma.
Pit in irregularly slabby limestone with shaly seams that crumble and
shed fossils. Called Hindsville in 1955.

68-10
July 15.
Vicinity of Vinita, Okla
Fayetteville NE 1/4 11-25N-21E, 6 1/2 miles E and 2 1/2 miles N of
Vinita, Craig County, Oklahoma
Low bluffs with washes in shaly Fayetteville. Inflatia
Orthotetes common.

68-11
Small pit in about SE 1/4 SW 1/4 16-25N-21E, Craig Co, Oklahoma.
Fossils few. Some beds as 68-9 but fossil bed under water in the pit.

68-8 Low, long hill on south side
Frisco RR showing about 15'-20'
of flaky, crumbly shale capped
by thin bedded limestone. The
latter disintegrates and sheds
slabs and loose fossils over the
surface. Locality in Fayetteville
shale, NW 1/4 11-25N-21E, 8 miles
E and 3 miles N of Vinita, Craig County,
Oklahoma.

68-9 Small pit in SE cor SE 1/4 16-
25N-21E, 5 miles E and one
mile N of Vinita, one mile N of
US 60, Craig Co., Oklahoma.
Pit in irregularly slabby limestone
with shaly seams that crumble and
shed fossils. Called Hindsville in
1955.

July 15.
Vicinity of Vinita, Okla
68-10 Fayetteville NE 1/4 11-25N-21E,
6 1/2 miles E and 2 1/2 miles N of
Vinita, Craig County, Oklahoma
Low bluffs with washes in
shaly Fayetteville. Inflatia, Orthotetes
common.

68-11 Small pit in about SE 1/4 SW 1/4 16-
25N-21E, Craig Co, Oklahoma. Fossils
few. Some beds as 68-9 but fossil
bed under water in the pit.

G. Arthur Cooper - Field notes, 1965
Transcribed and Reviewed by Digital Volunteers
Extracted Oct-09-2015 04:35:03

5 68-12
Road cut on Okla Hy 82, 1/4 mile south of junction with US 60. Mostly dark shale with thin band of ls about 5' up. *Chonetes* and *Inflatia*. Above the thin ls is more black shale 8' ± capped by about one foot of limestone containing *Inflatia* and *Orthis*. Outcrop in field about 0.15 mile W of road and 100 yards E of road. Sec 27-25N-21E.

68-13
Large pit in hard massive coarse calcarenite, white to light gray with short bands up to 8". Large *Symigothyris* and large productid seen. Fossils very scarce. Lithologically unlike Fayetteville and is probably an inlier of Boone.

68-14
SW cor. 32-25N-21E. About 3 mi E and 2 miles S of Vinita. A variety of limestones from a water-filled pit. *Diaphragmus* common. Lower Fayetteville.

5
68-12 Road cut on Okla Hy 82, 1/4 mile south of junction with US 60. Mostly dark shale with thin band of ls about 5' up. *Chonetes* and *Inflatia*. Above the thin ls is more black shale 8' ± capped by about one foot of limestone containing *Inflatia* and *Orthis*. Outcrop in field about 0.15 mile W of road and 100 yards E of road. Sec 27-25N-21E.

68-13 Large pit in hard massive coarse calcarenite, white to light gray with short bands up to 8". Large *Symigothyris* and large productid seen. Fossils very scarce. Lithologically unlike Fayetteville and is probably an inlier of Boone.

68-14 SW cor. 32-25N-21E. About 3 mi E and 2 miles S of Vinita. A variety of limestones from a water-filled pit. *Diaphragmus* common. Lower Fayetteville.

G. Arthur Cooper - Field notes, 1965
Transcribed and Reviewed by Digital Volunteers
Extracted Oct-09-2015 04:35:03



Smithsonian Institution

Smithsonian Institution Archives

The mission of the Smithsonian is the increase and diffusion of knowledge - shaping the future by preserving our heritage, discovering new knowledge, and sharing our resources with the world. Founded in 1846, the Smithsonian is the world's largest museum and research complex, consisting of 19 museums and galleries, the National Zoological Park, and nine research facilities. Become an active part of our mission through the Transcription Center. Together, we are discovering secrets hidden deep inside our collections that illuminate our history and our world.

Join us!

The Transcription Center: <https://transcription.si.edu>

On Facebook: <https://www.facebook.com/SmithsonianTranscriptionCenter>

On Twitter: [@TranscribeSI](https://twitter.com/TranscribeSI)

Connect with the Smithsonian

Smithsonian Institution: www.si.edu

On Facebook: <https://www.facebook.com/Smithsonian>

On Twitter: [@smithsonian](https://twitter.com/smithsonian)